



# **PacifiCorp: Private Generation Resource Assessment for long term planning**

Updated Analysis Including ITC Changes

Jan 22, 2021



# Introduction

## Updated ITC Schedule

- Guidehouse prepared a Long-term Private Generation Resource Assessment on behalf of PacifiCorp.
- The purpose of this study is to support PacifiCorp's 2021 Integrated Resource Plan (IRP) by projecting the level of private generation resources PacifiCorp's customers might install over the next twenty years under base, low, and high penetration scenarios.
- This study built on Guidehouse's previous assessment which supported PacifiCorp's 2015, 2017, 2019, and 2021 IRP, incorporating updated load forecasts, market data, technology cost and performance projections.
- The study includes projections for PacifiCorp's six state territories: UT, OR, ID, WY, CA, WA.
- Navigant evaluated five private generation resources in detail in this report: Photovoltaic Solar, Small Scale Wind, Small Scale Hydro, Combined Heat and Power Reciprocating Engines, Combined Heat and Power Micro-turbines
- The Federal Investment Tax Credit (ITC) rules were changed in December 2020 as part of the US coronavirus relief package. We have updated the analysis to include the impacts of the new ITC rules. No other changes were made to the analysis inputs.

# Federal Incentives

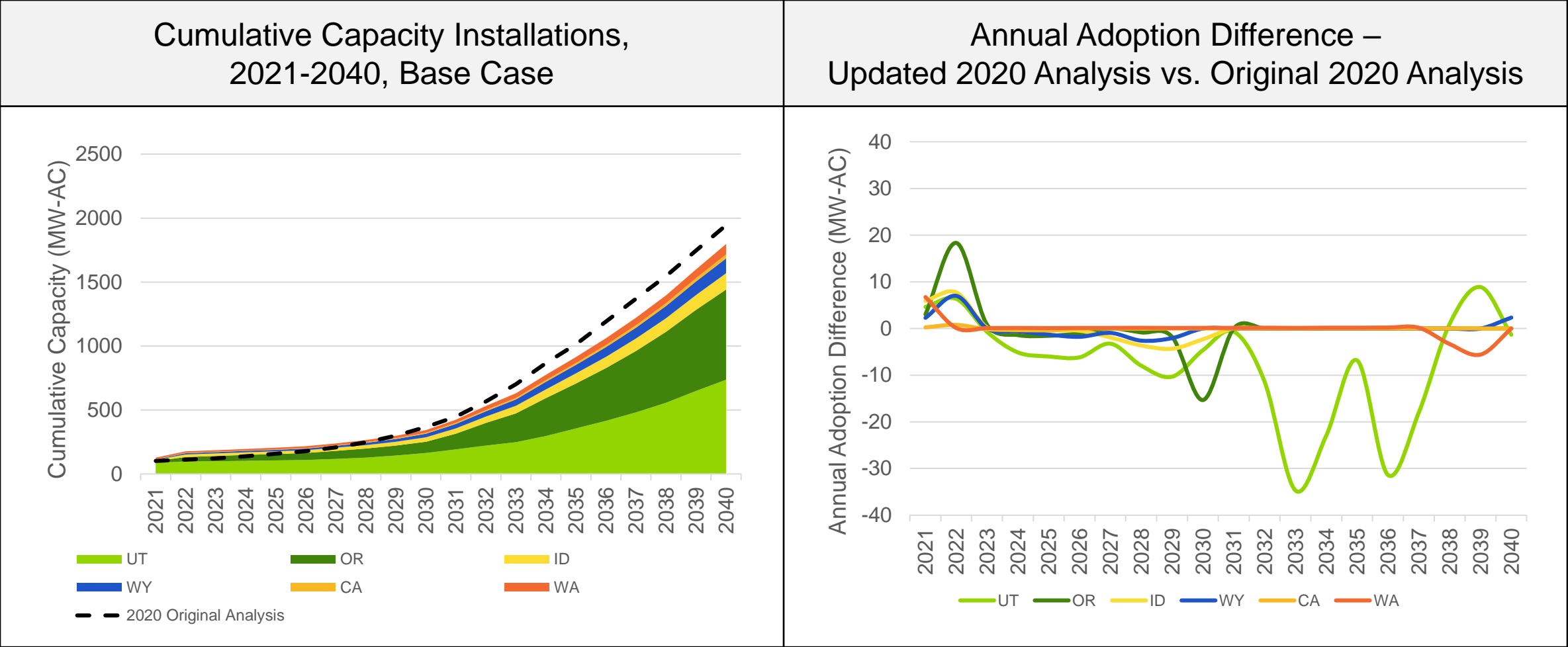
## Updated ITC Schedule

Technology	2019	2020	2021	2022	2023	>2023
Recip. Engines	10%	10%	10%	0%	0%	0%
Micro Turbines	10%	10%	10%	0%	0%	0%
Small Hydro	0%	0%	0%	0%	0%	0%
PV - Com	30%	26%	26%	26%	22%	10%
PV - Res	30%	26%	26%	26%	22%	0%
Wind - Com	12%	0%	0%	0%	0%	0%
Wind - Res	30%	26%	26%	26%	22%	0%

Federal Investment Tax credit, <http://energy.gov/savings/business-energy-investment-tax-credit-itc>

# Private Generation – Base Case

## Updated ITC Schedule



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